INSIGNIA^{^M} User Guide

200-Watt 5.1 Home Theater System I NS-H2002B

INTRODUCTION

Congratulations on your purchase of a high-quality Insignia product. Your NS-H2002B nts the state of the art in home theater design and is designed for reliable and trouble-free performance.

SAFETY INFORMATION





This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the

user to the presence of uninstated dangerous voltage within your home theater's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation opiont within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying your home heater Memices. CAUTION: To prevent fire or electric shock hazard, do not expose this home theater to rain or

WARNING: Your home theater should not be exposed to water (dripping or splashing) and no obje liquids, such as vases should be placed on your home theater

Ventilation

CAUTION: Do not block any ventilation openings. Install in accordance with these instruction

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of your home heater and to protect it from over-heating.

openings should never be blocked by placing your home theater on a bed, sofa, rug, or other similar surface This home theater should not be placed in a built-in installation such as a bookcase or rack unless correc ation is provided or these ctions have been adhered to.

Laser warning

WARNING: This home theater uses a laser system.

ensure correct use of this home theater, read this user guide carefully and retain it for future reference. Should ur home theater require maintenance, contact an authorized service center. Changing controls, making adjustments, or carrying out procedures other than those specified herein may

result in hazardous radiation ex To prevent direct exposure to the laser beam, do not try to open the enclosure. There is visible laser rac when open.

Do not stare into the beam Laser Type: Dual semiconductor las



ose marked on your home

Wavelength: 650nm and 780nm Output Power: 7mW

Beam Divergence: 60 degre

CAUTION: Visible and invisible laser radiation is present when your home theater is open and interlocks and

Power cord

nnended that most appliances be placed on a dedicated circuit— a single outlet circuit nce only and one that has no additional outlets or branch circuits. Check the specification for power requirements. CAUTION: It is reco section of this quide for pov

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in

Periodically examine your home theater cord, and if its appearance indicates damage or deterioration, unplug it discontinue use of your home theater and have the cord replaced with an exact replacement part by an authorized service provider

ect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, clos or, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits

To disconnect power from the outlet, pull out the plug. When installing your home theater, make sure that the plug is easily accessible

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: Read and observe all warnings and instructions in this user of ter Retain this quide for future reference

This home theater has been designed and manufactured to assure personal safety.

Improper use can result in electric shock or fire hazard. The safeguards incorporated in this home theater will protect you if you observe the following procedures for installation, use, and servicing. This home theater does

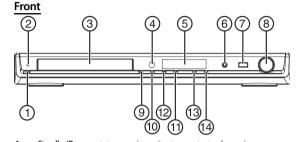
not contain any parts that can be repaired by you. Do not remove the cabinet cover or you may be exposed to dangerous voltage. Refer servicing to qualified

- Read all address and operating instructions before operating your home theater. Keep safety, operation, and use instructions for future reference.
- Heed all warnings on your home theater and in the operating instructions
- All operation and use instructions should be followed.
- Do not use this home theater near water. For example, do not use this home theater near a bath tub wash bowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, and other areas located
- Clean only with dry cloth. Unplug this home theater from the wall outlet before cleaning. Do not use liquid
- Do not block any ventilation openings. Install in accordance with these instructions. Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of your home theater, and to protect
- it from over-heating.
 Do not block any ventilation openings. Do not place your home theater on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless correct ventilation is provided or these instructions have been adhered to.
 Do not install near any heat sources such as radiators, heat registers, stoves, or other electronic devices (including amplifiers) that produce heat.
- and a repairers) that produce heat. and defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades to new wider than the other. A grounding type plug has two blades and a third grounding groung. The de blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, nsult an electrician for replacement of the obsolete outlet. text the power cord from being walked on or pinched particularly at plugs, receptacles, and the point ere they exit from your home theater.

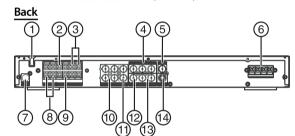
- where they exit from your norme uncount. Use only attachments or accessories specified by Insignia. Use only with the cart, stand, tripod, bracket, or table specified by Insignia, or solid with this home theater system. Use caution when moving the cart/home theater combination via cart to avoid injury from tip-over. Unplug this home theater during lightning storms or when unused for long period
- or time. Refer all servicing to qualified service personnel. Servicing is required when your home theater has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into your unit, your home theater has been exposed to rain or moisture, does not operate normally, or has been dropped.
- When replacement parts are required, be sure the service technician uses replacement parts specified b he manufacturer or have the same characteristics as the original part. Unauthorized substitu esult in fire, electric shock, or other hazards.
- pletion of any service or repairs to this home theater, ask the service technician Upon completion of any service or repairs to this home theater, ask the service technician to perform safety checks to determine that your home theater is in proper operation condition.
- USA and Canada versions comply with ETL requirements

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be

authorized by Macrovision Corporation and is intended for home and other limited viewing ses only unless otherwise authorized by Macrovision Corporation. Reverse engineering o mbly is prohibited. Consumers should note that not all high definition television set: are fully compatible with this product and may cause artifacts to be displayed in the picture. in case of 525 or 625 progressive scap picture problems, we recommend that the user switch he connection to the "standard definition" output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, contact our customer service center U.S. Patent Nos 4 631 603: 4 819 098: 4 907 093: 5 315 448: and 6 516 132



- Standby/On press to turn your home theater on or to standby mode Standby Indicator - Power On/Off Mode: no light; Standby Mode: red LED
- Disc Tray place a DVD or CD. label side up, into this tray
- Infrared receiver receives the signal from the remote control
- VFD Display Area displays status messages
- PHONES plug standard headphones into this jack
- USB jack plug external USB devices into this jack
- VOLUME adjusts the volume. Turn clockwise to increase the volume and counter-clockwise to decrease the volume
- ▲ Eject/ Stop Eject opens or closes the disc loading tray in stop or no disc mode; top - Stops playing ▶ 1) Starts playback in DVD mode, 2) Pauses playback in DVD mode
- 11. DVD, VCD, or CD mode: 1) press to skip to the previous chapter or track: 2) press
- d hold to search forward; Tuner mode tunes channel number dowr 12. ▶►IDVD, VCD, or CD mode: 1) press to skip to the next chapter or track; 2) press and
- old to search forward. Tuner mode tunes channel number up 13. EX BASS - switches EX BASS to Soft Bass, Balance Bass or Powerful Bass
- SOURCE switches between AV mode, tuner mode, and DVD mode



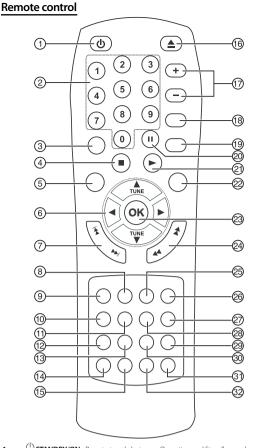
- Power cord plug into an electrical outlet Subwoofer speaker - connect a passive subwoofer, with the colored wire attached 2 to the + terminal and the black wire attached to the - terminal FM antenna input
- nnections Front speaker - connect the left front speaker to the L terminals and right front 3. speaker to the R terminals. Connect the colored wire to the + terminal and black
- vire to the terminal Component video and progressive outputs - connect a television that has
- mponent video input . Use a component video cable. Digital coaxial output - connect an external device that has a digital audio input 5.
- FM antenna input connections FM reception Connect the FM antenna to the FM iack. Move the antenna in various directions until the clearest signal is received.



AM loop antenna connections - AM reception - Connect the AM loop antenna to the AVI acts. Position the loop antenna to receive the clearest sound. Fully insert the stripped portion of the antenna into the terminal as shown.

NOTE: Position the antenna as far away as possible from a TV, VCR or other radiation source

- Active subwoofer out connect an external powered subwoofer using this jack Surround speaker (rear speakers) - connect the left surround speaker to the SL terminals and right surround speaker to the SR terminals. Connect the colored wire to the + terminal and the black wire to the - terminal
- Center speaker Connect the center speaker, with the colored wire attached to the + terminal and the black wire attached to the terminal.
- 10. Audio inputs - Connect audio (Left and Right) cables from a VCR, TV or satellite receiver to play them through this home theater system. These connections are labelled AV1 and AV2 and are selected by using the SOURCE button on the front
- 11. Video inputs - connect video cables from the corresponding video out jacks on a TV. VCR or satellite receiver to play them through this home theater. These connections are labelled AV1 and AV2 and are selected by using the SOURCE button on the front
- . Video output (VCR) connect a VCR or other recording device to this jack. Most 12. DVDs cannot be recorded, however you can use this connection to record from the uxiliary inputs such recording from the satellite receiver.
- 13. Audio outputs (VCR) - connect audio (Left and Right) cables to external recording ces such as a VCR or cassette recorde
- 14. S Video output Connect to the S-VIDEO IN jack on the television using an S-Video able. This type of connection provides superior picture quality. NOTE: Your television must be equipped with an S-Video input jack.



1 Connect the video

For a good picture quality, use the BCA video cable

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For a higher quality picture, purchase an S-Video cable, or for the best picture quality, purchase a component video cable.

VCR video out

NOTE: When in AV1 or AV2 mode, only composi

VCR audio ou

To prevent damage to circuits, pever short-circuit the speaker output terminals

3 Connect the speakers

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·Oo-

To connect the speakers

Connect all speakers in the same manner.

be around 1/3 inch (or 1 cm).

Positioning the speakers

the speaker

speakers should be installed.

Caution

ket I

2 Connect the audio

Make sure that you use the correct polarity when connecting the speakers (colored wire connects to the

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Do not remove too much insulation from the wire cables to avoid the stripped

portions from touching each other. The optimal length for the stripped part should

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Press the speaker terminal clip down and insert the wire, then release the clip.

Do not push the stripped part too far into the speaker connectors

Where you place the speakers plays an important role in the reproduction of surround sound

Pay particular attention when designing the speaker layout. For the best surround effects, all

A typical room layout has the left center and right speakers placed across the front and the

surround and right surround speakers placed along the sides towards the rear as show

in the above left picture. Position the center speaker above or below the video screen or TV.

Install a subwoofer can be (for powerful bass sounds) anywhere in the room.

eater system is designed to reproduce optimum sound quality when the supplied want to connect speakers other than the ones supplied, they should be 6 ohm s and 3 ohms impedance for the subwoofer.

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nave a video output signal. Connect only th

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- USTANDBY/ON Press to toggle between Operating and Standby mode 0 - 9 (numeric keys): DVD mode - Press to enter title, chapter, track, and time search
- 2. tions. Tuner mode - Press to enter a preset station
- TITLE Press to display the title menu if present on the disc.
- Stop Press to stop playing.
- MENU 1) DVD mode Press to enter the Disc Contents menu. 2) PBC ON mode
- Press to view a VCD disc menu. 6
- Active Navigation mode Press to navigate in the indicated directions for making selections in menus Tuner Mode - Press ▲ or ▼ to change the radio frequency Press **◄** or **▶** to change the radio channel
- IMM/DEFI Press to skip backward or forward to the previous or next chapter or
- BOOKMARK Press to open Bookmark menu
- V-SELECT Press to switch among the different video outputs ZOOM / CLEAR - 1) Press to select different zooming size while playing a video, 2) 10.
- ss to clear the information you entered in a setup menu. ANGLE / PBC - 1) Press to toggle between different angles to view (if present on disc)
- Press to turn PBC on or off on a VCD disc 12. TUNER / AUX - Press to select AV 1, AV 2, or tuner mode.
- DVD Press to select DVD mode.

► Play - Press to start playing

utomatically

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14 SUBBOUND - Press to select different surround sound effects among STEREC OLOGIC II MOVIE, PROLOGIC II MUSIC, CONCERT, CHURCH, PASSIVE, WIDE, and LIVE.

NOTE: You can select Surround Sound Effect (DSP) only for STEREO contents (2 channels). You can not select DSP while playing back a DVD with multichannel audio content like Dolby Digital 5.1. 15. SLEEP - Press to activate a sleep timer for your home theater to go into standby mode

INFO - Press to display current information about disc that is playing

OK - Press to enter or select a value in a menu and setup navigation

II Pause - Press to freeze the picture and stop the sound during playback

AUDIO / FM ST - 1) DVD mode - Press to change to a different audio stream, 2)Tune

GOTO - Press to start play at a specific location on a DVD, CD, VCD, or SVCD disc

PLAYMODE - Press to display Playmode Menu to select a different play mode A-B - Press to setup repeat playback or to clear repeat playback

TONE - Press to select an EQ modes from FLAT, ROCK, POP, CLASSIC, and JAZZ

One remote control with two batteries

Quick installation guide

AM and FM Antennas

Two front speakers

One center speake

The following setup and installation illustrations show various video and audio connections

CAUTION: Make sure that the AC Voltage matches your local voltage. Connect the AC cord only after the

EX BASS - Press to turn FX BASS to Soft Bass, Balance Bass, or Powerful Bass

Setting up your DVD home theater system

Unpacking your DVD Home Theatre System

Connecting your DVD Home Theater System

▲ OPEN/CLOSE - Press to open or close the disc tray

- VOL + - Press to increase or decrease the volume

MUTE - Press to mute and unmute the sound output

Press to search backward or forward

mode - Press to select Mono or Stereo.

ROTATE - Press to rotate the picture

One DVD Home Theatre System

This user guide

Two rear speakers

One subwoofer

One AV Cable

to TV and VCR

SUBTITLE - Press to toggle between different subtitles

SETUP / EXIT - Press to enter or exit the System Setup menu

The speaker to listener dimensions (DIM) shown in the above right picture is used for correct setup of the surround system. For more information, see" Setting up the speakers"

Do not connect more than one speaker to any one pair of +/- speaker term

Installing your DVD home theater system

- Install your home theater on a stable flat surface. There must be sufficient room in front of your home theater for the disc tray to open. Positon your home theater so that it can have a direct line of signal to the remote control.
- Do not expose your home theater to extremes of temperature or humidity. Avoid placing your home theater on a hot surface such as on top of other hot running equipment. Make sure that there is adequate ventilation to your home theater. Caution: Do not install this home theater in a confined space such as a bookcas

Note: Connect the AV cord only after the speakers, antenna, and all optional equipment have been Never make or change any connections with power turned on.

Maintaining

Cleaning discs

- Picture freezing, sound skipping, or repeating can occur if the disc inside theplayer is dirty.
- When a disc gets dirty, clean it with a cleaning cloth. Wipe the disc from the center Do not wipe in a circular motion. Circular scratches can cause picture distortionor
- render the disc unplayable. nercially available cleaners, or antistatic spray intended for analog discs.

Turning on your DVD home theater system

To start your home theater the first time:

- Plug in your home theater. The standby indicator on the front panel lights up.
- Press Standby/On (on your home theater or on the remote control). After a few econds the display shows NO DISC. Turn on your television and select the AV input that your home theater is connected
- Press Elect (on your home theater or on the remote control). The disc tray opens. Place a DVD in the disc tray, then press **Eject**. The player reads the disc and starts playback. Before the movie starts to play, a menu appears.
- Select PLAY MOVIE and press OK. The movie starts.
- Although you can watch a movie immediately, to get the best results from your home theater, press **STOP**.
- Complete the following system setup options. This sets up all the functions on your home theater. You only need to do this when you first set up your home theater.

Basic setup

To complete basic setup:

Press the SETUP / EXIT button to enter the System Setup Menu.



- Press ◀ or ► to navigate to one of these menus:
 - System Setup Language Setup
 - Video Setup
- Audio Setup Speaker Setup
- When any menu is highlighted, press \blacktriangle or \blacktriangledown to select different settings under the menu. Available options for each setting appear on the right side of the screen.
- Press > or OK to move to the right column
- Press ▲ or ▼ to select a new setting, then press **OK** to confirm the changed setting. Repeat steps 3 to 5 to change the other settings.
- Press < to return to the previous menu.
- Press A to return to the main menu
- Repeat steps 2 to 8 to change all settings
- After you have finished making the changes, highlight EXIT SETUP, press OK.
- OP
- Press SETUP / EXIT again to exit Setup Menu.

Setting details

| letting up the screen saver | | | | | | |
|-----------------------------|-------|----|-----|---|--|--|
| 12 | 出 | 12 | 72. | 4 | | |
| SYSTEM | SETUP | | | | | |
| SCREEN | SAVER | | | | | |
| | | OF | F | | | |
| | | | | | | |
| | | | | | | |

Use this setting to turn the screen saver option on or off. If you turn the screen saver on, the Size in secting to climate sector have open on to one way you can have or store make the sector have on the sector have one the sector in Pause or store more than five minutes. This saver can protect the television screen from being damaged.

Setting a password and rating level

| L & | 2 | 20- | - | <u>12</u> | E. | | 2. | -31 |
|-------------|---|-----|---|-----------|----------|-----|---------|-----|
| STEM SETUP | | | | SYSTEM | A SETUP | | | |
| CREEN SAVER | | | | | EN SAVER | | ID SAFE | |
| ASSWORD | | "a | | PASSV | | 2 0 | | |
| | | | | RATIN | G | | | |
| | | | | SOUR | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| XIT SETUP | | | | EXIT S | | 8/ | ADULT | |

Many DVD movie discs contain Motion Picture Association rating codes. This home theate ystem recognizes the codes on these DVDs. Your home theater provides a method for you to event children from viewing films which you deem are not suitable or find objectionable

- KID SAFE: Content is safe for children
- G: Recommended as acceptable for all ages.
- PG: Parental Guidance is suggested.
- PG-13: Material may not be suitable for children under age 13.
- **R**: Parents should restrict children under 17 from viewing this material or let them view the material only when superivised by a parent or adult guardian. 5-6 NC-17: Not recommended viewing for children under age 17.
- Adult: Should be viewed only by adults due to graphic sexual material, violence, or language.

To set the rating:

- In the System Setup menu, press ▲ or ▼ to highlight **Rating**, then press ▶
- Press \blacktriangle or \blacksquare to highlight a rating level, then press **OK**.
- Press ▲ or ▼ to highlight Password, then press OK.
- Use the numeric keys (0-9) to enter a four-digit password. If you make a mistake before pressing OK, press CLEAR. Enter your four-digit security code agair

DVD discs that are rated above the level you selected will not play unless you enter correct the four-digit password.

- Parental lock is NOT active
- The Parental lock is active
- ntal lock must be active for the rating level to functio
- The parental lock must not be active to the name event of uncount flow for the parental lock must not be active to changes the rating level If you forget the password, enter 76418 while the plaver is in NO Disc
- Selecting the playing source SYSTEM SETUP SOURCE DISC

Select the source files that you want to play between Disc and USB. To access files in a USB device, make sure your USB devices is connected to the USB jack on the front panel.

- This unit can not support NTFS format. If the USB flash drive does not work on it. Please check the USB flash Irive file system and format it with FAT or FAT32.
- Jot all MPEG 4 files can be played through the LISB jack due to the limited transmission spee

Selecting languages for menus

You can select different languages for the Setup Menu. You can also select different languages for audio, subtitle, and menu recorded on the DVD.

| R | 10 9 | 2 | 4 |
|----------|---------|---|---|
| LANGUAG | E SETUP | | |
| OSD LA | NG | | |
| | | | |
| | | | |
| DISC ME | | | |
| | | | |
| EXIT SET | | | |
| EXIL SEI | | | |
| | | | |

- OSD LANG: Select the Setup menu language
- AUDIO LANG: Select the audible language heard during playback.
- SUBTITLE LANG: Select the subtitle language displayed on the television screen
- DISC MENU: Select the disc menu language.
- e selected language is not recorded on the disc, the disc's default language is selected au Setting up the volume



To set the volume on a speaker

Select Volume Setup, then press OK. You will hear the calibrating sound from the front left speaker for a few seconds. This sound then move from speaker to speaker as follows:

| • | Front Left | • | Center | • | Front Right |
|---|------------|---|------------|---|-------------|
| • | Subwoofer | · | Rear Right | · | Rear Left |

If the calibrating sound is either too soft or too loud, exit Volume Setup, then adjust the volume control until the calibrating sound is clearer. Let the calibrating sound cycle through all the speakers at least once.

- If the calibrating sound level from all speakers is approximately the same, no further adjustment is necessary If any speaker sound level appears unbalance to the rest, you can increase or decrease
- The hypothesis of the speaker by pressing \blacktriangle or \forall to increase or decrease the speaker level when that speaker is highlighted.
- When you have completed the level adjustments, press **OK** to exit the Volume Setup and return to the previous menu.

Note: We recommend to set Volume = 30 before entering this Volume Setup to further calibrating and e speaker level output

me can also be changed in AV mod Note: Spea Press TUNER/AUX to select AV1 or AV2 mode. Movies or music on the connected VCR will play through

trins home treater. Press SETUP/EXIT once. FL (front left) is displayed on the VFD. Press ◀ or ► to select the speaker you want to change the volume of: FL (front left), FR (front right), SL (surround left), SR (surround right), CEN (center, or SUB (subwoofer).



When a speaker has been selected, press ▲ or ▼ to increase or decrease volume -10 DB to +10 DB

Turning on the dynamic range



Dynamic Range Control enables you to control the dynamic range to achieve a suitable sound for your home theater.

ON: Loud sounds, such as explosions, are turned down slightly during playback. OFF: Your home theater plays at the recording level on the disc.

Specifying the type of digital audio



Choose the type of digital audio output that matches the audio connection between your home theater and the external digital audio decoder.

SPDIF/RAW: Outputs the audio stream in original undecoded format.

SPDIF/PCM: Outputs the audio stream in decoded PCM format

Modifying the Prologic II setting



quality of discrete

The Dolby Pro Logic II Surround System is a specially encoded two channel analog format which reproduces five channel output when a Dolby Pro Logic II Decoder is used. MOVIE MODE: Movie mode is for use with stereo television shows and all programs encoded in Dolby Surround. The result is enhanced soundfield directionality that approaches the

MUSIC MODE: Music mode is for use with any stereo music recordings, and provides a wide and deep sound space. The Music mode includes different controls that let you tailor sound to your individual listening preference

Modifying additional audio setting



Panorama, center width, and dimension are available only when the player is in Music Mode. These options let you customize the ProLogic II Music Mode Sound Effect. PANORAMA: Extends the front stereo image to include the surround speakers for an exciting raparound effect with side-wall imaging

CENTER WIDTH: With ProLogic decoding, dominant center signals can come only from enter speaker. If no center speaker is present, the decoder splits the center signals equally to the left and right speakers to create a phasmin the occurrent spins are the center signal equally variable adjustment of the center image so it may be heard only from the center speaker, only from the left and right speakers as a phantom image; or from all three front speakers

DIMENSION: A control that alters the ratio of I +R to I-R for the two-channel input signals It let you gradually adjust the sound field either towards the front or towards the rear. If a recording is too spacious or strong from the surrounds, it can be adjusted forward to get a better balance. Likewise, if a stereo recording is somewhat too mono or narrow sounding. adjusted it toward the rear to get a more enveloping, immersing result.



Choose the type of video output that matches the video connection between your home theater and the television.

480i YPBPR: Select this if you have connected your home theater to your television using the Y, Pb, Pr video jacks and are not using the progressive scan feature

- P-SCAN YPBPR: Select this if you have connected your home theater to your television using the Y. Pb.Pr video jacks and are using progressive scan feature.
- S-VIDEO: Select this if you have connected your home theater to your television using S-Video iack

Specifying the television type



- 4:3 PS Select this when your home theater is connected to a normal tele en images are shown on the screen, but with some parts automatically
- 4:3 LB Select this when your home theater is connected to a normal television. Widescreen images are shown on screen, with black belts on the top and bottom. 16:9 Select this when your home theater is connected to a wide-screen television
- Notes
- A disc recorded in 4:3 mode will only play in 4:3. The TV TYPE should correspond to the television screet

Setting up the speakers



If the center speaker is placed close to the front speakers, choose CENTER DIST. to set the Center distance value to a smaller number to achieve the best listening effect. If the surround speakers are placed closer to the listening position than the front speakers, choose REAR DIST. to set the rear distance value to a larger number to achieve the best listening effect.

Using your DVD home theater system

Plaving discs

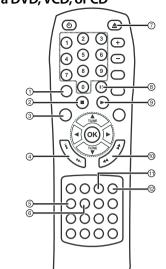
You can play the following discs on your home theat

DVD-Video

- Note: For the purpose of distribution of DVD Discs, the world has been separated into six zones. The zone your unit is intended for is indicated on the Zone Label. This should be the same as the label on discs available in your region. If you have any difficulties in playing a disc, make sure that the disc is for the same zone as your home theater. DVD-R. DVD-RW. DVD+R and DVD+RW
- DVD-R and DVD-RW discs must be made in Video DVD mode. DVD+RW disc must be made in accordance with the specifications for DVD+RW disc with a 4.7 GB
- capacity.
- Video CD (VCD) Super Video CD (SVCD)
- Audio CDs
- CD-R and CD-RW
- This player can play most CD-R and CD-RW discs. However depending on the recording conditions, you may find that not all discs will play successfully. MP3 Files on CD-R or CD-RW
- MP3 files should be ISO 9660 or IOLIET format. If the sampling frequency is 44.1 or 48.1KHz, and the fixed bit rate is 128Kbps or higher, MP3 files can be played. However, some files may not play depending on their conditions or formats.
- WMA Files on CD-R If the sampling frequency is 32KHz, and the fixed bit rate is 128Kbps or higher, WMA s can be played. However, some files may not be played depending on their conditions or formats.

- JPEG Files on CD-R or CD-RW
- This player can play JPEG files with a resolution for up to five million pixels. Certain JPEG files cannot be read by this player. MPEG 4 Files on CD-R or CD-RW
- Your MPEG 4 files should be ISO format without OPEL

Playing a DVD, VCD, or CD



- TITLE Press to display the Title Menu if present on the disc. This feature works for DVD playback only.
- 2. Stop
- Press once to stop the current playback instantly and enter the Resume Play
- Press ► to resume playback from the point at which you last stopped the disc
- Press I twice to stop playback completely. You cannot resume playback.
- Press ► to start playback from the beginning of the disc 3
- MENU Press to display the Disc Menu. yback stops to display the menu. The button does not work for CD playback. For VCD, this button is
- able when PBC is set to on. I ← I - Skip to the beginning of a chapter or track
- When a disc is plaving, you can skip backward or forward a chapter or track.
- Press I d skip to the beginning of the previous chapter or track.
- Press **>>** to skip to the beginning of the next chapter or track. For audio CD discs, use the numeric buttons (0 - 9) to directly iump to a track numbe Note
- perating a VCD with the PBC function, the PBC should be set to OFF.
- ZOOM (To Zoom In the Image) Press to magnify pictures during playback. 5.
- When a disc is playing, press the **ZOOM / CLEAR** button. Each time ZOOM CLEAR button is pressed, the ZOOM settings are changed as follows 700M x 2 ZOOM x 3
- 700M x 4 700M x 3/4
- ZOOM x 2/3 ZOOM x 1/2
- ZOOM · OFF
- While an image is magnified, you can use the \blacktriangle \checkmark \checkmark and \triangleright keys to shift image for
- To return to the original normal view, press the ZOOM key until the ZOOM : OFF wmbol shows. The screen returns to normal.
- When you reach the edge of the image, the display will not shift anymore in that
- 6. ANGLE - Press to change the viewing angle in DVD. You can select different angles of g when playing a DVD video disc that contains scenes recorded from

Press ANGLE repeatedly to select different angles of viewing if available on the disc. his function is only available when the scenes shot from multiple angles have been recorded on the multi-angle viewing is not available, \cong OFF is displayed.

- ▲ (Open / Close) Press to open the disc tray
- Note: Load the disc on the disc tray with disc label facing upward.
- Press \triangleq again to close the disc tray. The home theater starts playback automatically. Pause - You can freeze the image and advance frame-by-frame.
- CD: Press II to pause the playback. Press II again or press ► to resume the normal hlavback
- DVD / VCD: Press to pause the playback. Press again to go to STEP mode. Each time vou press , the video advances one frame. Press 🕨 to resume playback.
- ► Play Press ► to start playback.

10.

- (search backward or forward, slow motion)
- Press 🔫 / 🍽 to search backward or forward. Press to resume playback. Each time $\blacktriangleleft \blacksquare$ or $\blacktriangleright \blacktriangleright$ or is pressed, the speed of backward or forward search
- changes accordingly. In Pause mode, press Each time **d** or **b** or is pressed, the speed of slow-motion playback changes accordingly. Press ► to resume normal playback.
- Note: Slow motion step-by-step does not work with CD Playback. Backward slow
- SUBTITLE Press to change a different subtitle language available on the disc. 11.
- During playback, you can change to a different subtitle language or disable subtitles. When a disc is playing, press SUBTITLE to show the current playback language subtitle.
- □: [3 ENGLISH]
- peatedly to select the desired subtitle language
- Note: This function can only be used for disc on which different subtitle languages have been recorded. The of languages recorded may be different depending on the disc AUDIO / FM ST - Press to change to a different audio language on the disc during 12.
- playback. You can change audio language or audio output. When a disc is playing, press AUDIO / FM ST to show the current playback audio
- track nun ◯): [1] 2CH]

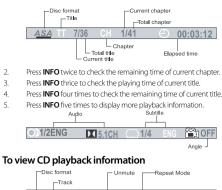
Press repeatedly to select the desired audio track. Note: If there is only one audio track available on the disc, the number does not

Advanced DVD, VCD, and CD playback

Using the INFO function 1.

While the disc is playing, press **INFO** to display playback information present on the disc. To view DVD playback information

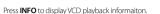
Press INFO to display DVD playback information.



<u>CD</u> TRK 2/2 →× ① 00:03:12 Elapsed tim Press INFO to display CD playback information

To view VCD playback information

-Disc format Track VCD TRK 2/2 -Total track -PBC statue Elansed time -Current track



- Press INFO twice to check the remaining time of current track. (CD/VCD)
- Press **INFO** thrice to check the playing time of current disc. (CD/VCD)
- Press INFO four times to check the remaining time of current disc. (CD/VCD) The following describes information you may see when pressing **INFO** during DVD, CD, or
- VCD plavback 1.1 TT (title info) - Displays the currently playing title number and the total number of titles

ded on the disc

tracks recorded on the disc.

Press GOTO

Press GOTO

3.

3.1

3.2

2.2 Locating a specific time

Press ◀ or ▶ to highlight time.

The first two digits are the hours.

The next two digits are the minutes.

Some scenes may not be located as precisely as you specified.

Programming Playback

The last two digits are the second

Some discs may not let you use this function

Press the **PLAYMODE** but

Press OK to confirm.

DVD programming

Enter the title numbers in 💀

plavback

umbers you input

Use ◀, ▶, ▲, or ▼ to move to another entry.

Note: Highlight CLEAR on the PROG screen, then press OK to delete all inputs.

Repeat the above steps for more inputs

CD, VCD, SVCD programming

Enter the track numbers in 🔤

Use ◀, ▶, ▲, or ▼ to move to another entry

- 1.2 CH (chapter info) Displays the currently playing chapter number and the total nu hapters recorded on the disc.
- 1.3 Elapsed Time Displays the elapsed time from the beginning of the title playback 1.4 Audio - Displays the audio track currently selected.

1.7 TRK (track info) - Displays the currently playing track number and the total number of

Press < or > to highlight a title, chapter, track and press the corresponding numeric

Press **OK** to confirm. Your home theater starts playback from the position you select.

n select any specific location by directly entering the time in hours. minutes. and

Directly key in the time to start playback using the numberic keys 0 - 9.

Press **OK** to confirm. Your home theater starts playback from the time you select.

is method for accessing the specific location is available only within the current title of the DVD disc ess **CLEAR** to reset the time when the time is highlighted.

When the MODE state is highlighted, use **◄** or **▶** to select PROG mode

VCD and SVCD playback, the function is only available when PBC is 3.1 DVD r

Use <or>

 to highlight chapter and enter the chapter numbers in

Press > or highlight PLAY on the screen and press OK to start the programmed

Highlight the current input on the screen and press **CLEAR** to delete the title chapte

-Chapte

1.5 Subtitle - Displays the language (subtitle) number currently selected.

1.8 Unmute Icon - Displays when the sound is unmuted.

1.9 Repeat Mode - Displays any repeat mode that is set.

2.1 Select a specific title, chapter, or track

Note: Press CLEAR to reset the highlighted title , chapter, or track

2. Using the GOTO function

Note: After checking the settings, press INFO again to turn off the display

1.6 Angle - Displays the viewing angle currently selected. When a disc without multi-angle is played back, 역 OFF is displayed.

his function lets you directly select any point of the disc to start playback.

elect any specific title, chapter, or track by number to start playbac

Stop

Repeat the above steps for more inputs.

The function is only available when PBC is turned off

4. Repeating Playback

Press the **PLAYMODE** button

mode is highlighted on the screen For DVD Disc : Off, REP All, Chapter, or Title

For CD / VCD / SVCD Disc : Off, REP 1, or REP A

4.2 Repeat a specific section

REPEAT A-

REPEAT A-B

A-B CANCEL

PBC: [ON]

PBC: [OFF]

Create a bookmark

bookmark point.

FO modes

CLASSIC

BASS 0

BASS +5

automatically.

options

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8. Using the sleep feature

8.1 Setting the sleep timer

SLEEP OFF

SLEEP: 90 MINUTES

8.2 Cancelling the sleep timer

8.1 Checking the remaining sleep time

CLASSIC. or JAZZ.

7.2 Treble / Bass control

Recalling a bookmark scene

Press CLEAR to reset the highlighted bookmark

Selecting different EQ modes

Press ◀ or ► to switch to the Bass Control

Press ▲ or ▼ to adjust the Treble / Bass Level

6.

6.1

6.2

7.

7.1

Using the bookmark feature

For MP3 / JPEG / WMA Disc : Off. REP DIR. or REP

Use ▲ or ▼ to select the **REPEAT** option.

access the Playmode menu.

4.1

Highlight CLEAR on the PROG screen and press OK to delete all inputs

ote : During VCD and SVCD playback, the function is only available when PBC is to

Repeat a title, chapter, track, or whole disc

plavback.

input.

Press > or highlight PLAY on the screen and press OK to start the program

ou can play a specific title, chapter, or track repeatedly. Press the **PLAYMODE** button to

Use **d**or **b** to select a different repeat mode then press **OK** to confirm The selected

hile the disc is playing, press A-B to set the beginning of the section you want to

Press A-B again to set the end of the section you want to play repeatedly. Your home

Press A-B again to clear the programmed repeat playback and return to the normal

When a VCD or SVCD is playing, press **PBC**(Playback Control) repeatedly to toggle

If available, the disc menu appears on the television. Use

Your home theater skips the disc menu and starts playback directly from the

Use \triangleleft or \blacktriangleright to highlight the bookmark you want, then press \blacktriangleright to play from the

Press TONE repeatedly on the remote for one of five EQ modes: FLAT, ROCK, POP,

beginning. The PLAYMODE button is available when playing a VCD.

MARK -- ----- T1 C1 00:03:21

The Bookmark feature lets you mark a point in the DVD that you want to watch again

During DVD playback, press BOOKMARK to access the bookmark menu

Use **d** or **b** to navigate, then press **OK** to bookmark your desired point.

During playback, press BOOKMARK to access the Bookmark menu

Press TONE once, then press OK. The Treble Control is enabled.

TREBLE 0

TREBLE -3

SLEEP: 30 MINUTES
 SLEEP: 15 MINUTES

This feature lets you select a time for your home theater to switch to the Standby r

Press SLEEP on the remote control repeatedly to cycle through the following sleep timer

When the Sleep timer is switched on, you can check the remaining time before your home

theater switches to Standby mode. Press SLEEP once and the remaining time is displayed.

To switch off the Sleep Timer, press SLEEP repeatedly until SLEEP OFF is displayed

Playing MP3, WMA, JPEG, and MPEG 4 files

0000

000

SLEEP: 120 MINUTES

SLEEP: 60 MINUTES

be A-B repeat function can only be used within the same title. If the start and end of the section epeated are in different titles, it will not work. The A-B repeat if writen deer to expone to export in comparable and efferent comparable are provided.

Using PBC (VCD and SVCD playback control)

theater immediately begins replaying your selection repeatedly

Highlight the current input on the screen, then press **CLEAR** to delete the track you

Press to stop playback Press to display the selection menu during playback (for JPEG files only).

- Press ► to resume normal playback.
- Active Navigation Press to select a file, then press OK to start playback
- I ← Press to skip a track or picture backward or forward. 2
- ZOOM / CLEAR 4

ZOOM - Press to zoom into the picture during a JPEG file slideshow or an MPEG 4 playback.

- CLEAR Press to delete the information you input. ▲ Open / Close - Press to open the disc tray. 5
- Note: Load the disc on the disc tray with disc label facing upward Press again to close the disc tray. Playback starts automatically
- Pause
- Press to pause playback.

Press again to resume normal playbac

- Play Press to start playback. 7.
- ROTATE (for JPEG file only)

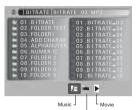
During the playback of a JPEG file, press ROTATE to rotate the picture

Using the Selection menu

The Selection Menu appears when starting MP3, WMA, JPEG, or MPEG 4 playback.Folders appear in the left pane. Folders are numbered from the top to the bottom. When you highlight one of the folders, all the contents of this folder are displayed in the right

pane. All the tracks, pictures, and movies are numbered from top to bottom. Use the active navigation keys to select files. Press **OK** or ▶ to start playback. Active navigation keys can also be used to select folders containing MP3, WMA, JPEG, and

MPEG files. When a folder is selected, the first file plays automatically.



Plaving MP3 and WMA files

Your home theater begins playing all of the MP3 and WMA files currently selected. Then it plays all the files in the subfolders contained within its parent folder. After that, your home neater plays the remaining folders on the disc.

To create an MP3 playlist:

- Press the **PLAYMODE** button on the remote control. The Play Mode Menu displays on the scree
- Highligt **MODE**, then use **∢** or **▶** to select PROG mode
- Press **OK** to open MP3 program menu. In this menu, the letter F means folder and means track Enter the folder number below the F and the track number below the T using a 2-
- digital number 5 Use the Navigation keys to move to another field, then repeat step 4 for the next
- Press > or highlight PLAY on the screen, then press OK to start playback.
- Highlight CLEAR on the PROG screen, then press OK to delete all inputs. You can progam up to 16 songs total.

Viewing JPEG files

Your home theater starts the slideshow for the currently selected JPEG file. It then displays all other remaining JPEG files in the same folder. After that, your home theater plays the JPEG files in the subfolders contained in the same folder.

Viewing MPEG 4 files

Your home theater starts to play the whole file currently selected

Note: You cannot play WMA and JPEG files simultaneously.

Listening to the radio

FM and AM antennas are conne You can program up to 20 FM radio channels and 20 AM radio channels.

To search for a radio statior

Press STANDBY/ON on the remote control to turn on your home theate

- Press TUNER/AUX on the remote control or SOURCE on the front panel repeatedly until the Tuner mode is selected.
- Press TUNER/AUX on the remote control or SOURCE on the front panel again to switch between AM and FM bands if necessary
- Tune to the radio station by one of the following methods: Manual Tuning --- Press A or V repeatedly on the remote control until the desired frequency appears
- on the display Automatic Tuning— Press and hold ▲ or ▼ on the remote control for more than one second to activate
- the AUTO SCAN function Relea tton. The AUTO SCAN function stops on any radio station found Repeat this process until it stops on the desired station

To save a radio station

When a radio station is located, press and hold **OK** until the frequency flashes on the VFD display.

- FM 87.50.

Press **◄** or **▶** use the remote control numeric keys 0 - 9 to select the channel number that you want your home theater to memorize

СН 02

Press **OK** again to store into channel number. The word SAVED is displayed during the saving operation. The radio station is memorized to that channel number.

SAVED

Repeat the above steps to save up to 20 radio channels

Note: When you tune at a weak FM station manually, press AUDIO / FM ST on the re ode to Mono mode to reduce the background noise

To recall a memorized radio station

- Press the STANDBY/ON button on the remote control to turn on your home
- Press TUNER /AUX on the remote control or SOURCE on the front panel repeatedly
- until the Tuner mode is selected.
- 3 Press again to switch between AM and FM bands if necessary. Press \triangleleft or \blacktriangleright on the remote control or $|\triangleleft \triangleleft / \triangleright \triangleright|$ on the front panel to change

СН 02

Troubleshooting

Under no circumstances should you try to repair your home theater yourself, as this will nvalidate the warranty. Only gualified service perso this player.

NO POWER

- POWER Make sure that the on/off button on the front of your home theater is set to on. Make sure that the power cord plug is correctly connected. Make sure that there is power at the AC outlet by plugging in another appliance.
- NO PICTURE
- Make sure that the TV is turned on. Select the correct AV input on the TV.
- Check the vid
- Check the video connection. Make sure that the channel selector is set to AV on the TV (See your TV manual for instructi When Progressive Scan is on, composite video output is disabled. Press the V-SELECT butt
- DISTORTED PICTURE Check the disc for fingerprints and clean with a soft cloth, wiping from the center to the edge
- Sometimes a small amount of picture distortion may appear. This is not a malfunction
- The disc format does not match the TV being used (PAL/NTSC) Make sure that only one video output is connected.

NO COLOR IN PICTURE

- The disc format is not the same as that of the TV being us
- rough a VCR

PICTURE SWINGS

DOES NOT RETURN TO START-UP SCREEN WHEN DISC IS REMOVED

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL

- Aim the remote control directly at the sense, or the and Avoid all obstacles that may interfere with the signal pa
- NO SOUND
- Check the audio connection
- If using a Hi-Fi amplifier, try another sound source
- Clean the disc. peck if the disc is defective by trying another disc

NO AUDIO AT THE DIGITAL OUTPUT

- Check the digital connections Check the Digital Out menu to ke sure that the digital output is correctly se
- mat of the selected audio language matches your home theate DISC CANNOT BE PLAYED

YOU HAVE FORGOTTEN THE PASSWORD

FUNCTION DISTURBED

rind of a defect

low long does the coverage last?

What does this warranty cover?

How to obtain warranty service?

Where is the warranty valid?

his warranty does not cove

What does the warranty not cover?

er instruction

This warranty also does not cover:

Products sold as is or with all faults

ne receipt you rea

nal function of your home theater may be disturbed by external interference

Reset your home theater by disconnecting and reconnecting the power cord.

Varning: This equipment may generate or use radio frequency energy. Changes or modifications to this unimment may cause harmful interference unless the modifications are expressly approved in this manual The could lose the authority to operate this equipment if an unauthorized change or modification is made

user could lose the authority to operate this equipment II an unautoruzed change or INCUM RADARD STATES. Regulatory information FCC Part 15 - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the home theater is operated in a residential installation. This home theater generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with this manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this home theater does cause harmful interference to radio or television reception, which can be determined by turning the home theater offend on,

r immed warranty is Product ("higginal") warrants to you, the original purchaser of this new NS-H2002 DVD Home Theaten in ("Product"), that the product shall be free of defects in the original manufacture of the material or nanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period") roduct must be purchased from an authorized dealer of Insignib hand products and packaged with arranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the

vered by this warranty that requires service, te

uring the Warranty Period, if the original manufacture of the material or workmanship of the Product is

etermined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole otion): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or

ebuilt comparable products or parts. Products and parts replaced under this warranty become the property of

must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during th

upurchased the Product at a retail store location, take your original receipt and the Product to the store you hased it from. Make sure that you place the Product in its original packaging or packaging that provides same amount of protection as the original packaging. If you purchased the Product from an online web mail your original receipt and the Product to the address listed on the web site. Make sure that you pur

Set up adjustments

Consumables, such as fuses or batteries

TY PERIOD SET FORTH ABOVE ANI

high and are not returned to you. If service of Products or parts are required after the Warranty

duct in its original packaging or packaging that provides the same amount of pro

Damage due to incorrect operation or maintenance · Connection to an incorrect voltage supply

Products where the lactory applied serial number has been allered or removed PARI REPLACEMENT AS PROVIDED UNDER THEI WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL OT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR (PLED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR NODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES

TH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLED WARRANTIES FOR THE PRODUCT, INCLUDING TI NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNES

FOR A PARTICUSAR POLICY AND A REPORT OF A DIRECT AND A DI

Attempted repair by anyone other than a facility authorized by Insignia to service the Produc

Products where the factory applied serial number has been altered or remover

Installation

Customer instruction installation set up adjust Damage due to acts of God, such as lightning strikes Misuse • Abuse • Negligence Modification of any part of the Product, including the antenna

FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRA

eriod. Warranty coverage terminates if you sell or otherwise transfer the Product

- Sense includinged to by localized the interference by the of interference of the indicioning in Reportent or relocate the receiving antenna. Increase the separation between the home theater and receiver. Connect the home theater to a supply outlet different from that to which the receiver Consult the dealer or an experienced radio/TV technician for help.
- Warranty

The Warranty Period lasts for 1 year (365 days) from the date you purchased the

ed with the Product